

SEQLIST

SEQUENCE LISTING

<110> SmithKline Beecham Corporation

<120> Hepatitis C Virus Sub-Genomic Replicons

<130> P51335

<140> PCT/US02/10177

<141> 2003-04-03

<150> 60/369,685

<151> 2002-04-03

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<170> FastSEQ for windows Version 4.0

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<212> DNA

<213> Artificial sequence

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<223> The nucleotide sequence encodes the first 75
contiguous N-terminal amino acids of HCV type 1b,
strain BB7

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<213> Artificial sequence

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<223> The polynucleotide sequence encodes sequences from
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HCV H77(BB7-F1/F2) Replicons

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<220>
 <223> The polynucleotide sequence encodes sequences from
 HCV H77 (BB7-F3(C)) Replicons

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<213> Artificial sequence

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<223> The polynucleotide sequence encodes sequences from
HCV H77(BB7/H77NS5B)Replicons

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<223> Thepolynucleotide sequence encodes sequences from
HCV J4(J4 M/S)Replicons

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HCV J4 Replicons

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HCV J4 Replicons

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<211> 7989

<212> DNA

<213> Artificial Sequence

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<223> Thepolynucleotide sequence encodes sequences from
HCV H77(pBB7-SN)Replicons

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<210> 15
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> The sequence encodes DNA fragments amplified by using pHCV replb(BB7) as template and the primer pairs

<400> 15
 cgctctgctgc tcgatgtcct ac 22

<210> 16
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> The sequence encodes DNA fragments amplified by using pHCV replb(BB7) as template and the primer pairs

<400> 16
 ctcccccaac cgatgaacgg gtacgtaaact actccaggcc aatag 45

<210> 17
 <211> 27
 <212> DNA

SEQLIST

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by using pHCV replb(BB7) as template and the primer pairs

<400> 17

gcactagtac ttgatctgca gagaggc

27

<210> 18

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by using pHCV replb(BB7) as template and the primer pairs

<400> 18

ctattggcct ggagtgttta cgtacccgtt catcggttgg gggag

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<210> 19

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate pBB7/H77NS5B, the HCV type 1a H77 NS5B gene was first amplified by using H77 DNA and primers

<400> 19

cctggacagg cgcactgatc acc

23

<210> 20

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 20

gaggacttgc tggaagacac tg

22

<210> 21

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 21

caggagtact tgatctgcag agaggc

26

<210> 22

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

SEQLIST

<223> To generate this sequence, two DNA fragments were amplified by using pHCVrep1b(BB7) as template and the primer pairs

<400> 22
ctttagccag ctcacagct atccagttgt ctg'gccttc 40

<210> 23
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, two DNA fragments were amplified by using pHCVrep1b(BB7) as template and the primer pairs

<400> 23
gaaggcgag acaactggat agctgatgag ctggctaaac 40

<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 24
tcaagaccga cctgtccggt gccc 24

<210> 25
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 25
cttgagcctg gcgaacagtt cggc 24

<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 26
accacagtcc atgcatcac 20

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 27
tccaccaccc tgttgctgta 20

SEQLIST

<210> 28
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> The total cellular was isolated using RNeasy
 Mini Kit (Qiagen)

 <400> 28
 ccggctacct gcccatc 18

 <210> 29
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> The total cellular was isolated using RNeasy
 Mini Kit (Qiagen)

 <400> 29
 ccagatcatc cgatcgacaa g 21

 <210> 30
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> The total cellular was isolated using RNeasy
 Mini Kit (Qiagen)

 <400> 30
 acatcgcatc gagcgagcac gtac 24

 <210> 31
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric
 replicon constructs. Primers of the invention was
 derived from plasmids.

 <400> 31
 catccagatg tacaccaatg tggac 25

 <210> 32
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric
 replicon constructs. Primers of the invention was
 derived from plasmids.

 <400> 32
 catgcccga attcttcaca gaattg 26

 <210> 33
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>

SEQLIST

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 33
caattctgtg aagaattcgg gcgatg 26

<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 34
gtaacaccaa ttgacactac catc 24

<210> 35
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 35
gatggtagtg tctattggtg ttac 24

<210> 36
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 36
gcactagtagt ttgatctgca gagaggccag tatcagcact ctctgcagtc aagcgg 56

<210> 37
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 37
ctttagccag ctcacagct atccagttgt ctgcgcttc 40

<210> 38
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

SEQLIST

<400> 38
gaaggcgag acaactggat agctgatgag ctggctaaac 40

<210> 39
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 39
gagatggagc ggacagctgg atagccgagg agctggccat agaag 45

<210> 40
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 40
cttctatggc cagctcctcg gctatccagc tgtccgctcc atctc 45

<210> 41
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 41
cgtctgctgc tcgatgtcct ac 22

<210> 42
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 42
ctccccaac cgatgaacgg gtacgtaaact actccaggcc aatag 45

<210> 43
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 43
cctggacagg cgactgatc acc 23

SEQLIST

<210> 44
 <211> 22
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 44
 gaggacttgc tggaagacac tg 22

 <210> 45
 <211> 26
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 45
 caggagtact tgatctgcag agaggc 26

 <210> 46
 <211> 27
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 46
 gcactagtac ttgatctgca gagaggc 27

 <210> 47
 <211> 45
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 47
 ctattggcct ggagtgttta cgtacccgtt catcggttgg gggag 45

 <210> 48
 <211> 24
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 48
 tcaagaccga cctgtccggt gccc 24

 <210> 49
 <211> 24

SEQLIST

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 49
 cttgagcctg gcgaacagtt cggc 24

 <210> 50
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 50
 accacagtcc atgcatcac 20

 <210> 51
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 51
 tccaccaccc tgttgctgta 20

 <210> 52
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 52
 ccggctacct gcccatc 18

 <210> 53
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

 <400> 53
 ccagatcatc cgatcgacaa g 21

 <210> 54
 <211> 24
 <212> DNA
 <213> Artificial Sequence

SEQLIST

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 54

acatcgcac gagcgagcac gtac

24